

**A METHOD OF EFFICIENTLY HANDLING MULTIPLE PAGE SIZES IN  
AN EFFECTIVE TO REAL ADDRESS TRANSLATION (ERAT) TABLE**

ABSTRACT

5       A method and apparatus for efficiently storing an effective  
address (EA) in an effective to real address translation (ERAT)  
table supporting multiple page sizes by adding PSI fields, based  
on the number of unique page sizes supported, to each ERAT entry  
and using one ERAT entry to store an EA for a memory page,  
10 regardless of page size, by setting the PSI fields to indicate  
the page size.